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RAW SEQUENCE LISTING

DATE: 08/21/2002

PATENT APPLICATION: US/09/974,870B

TIME: 10:12:59

Input Set : N:\Crf3\08122002\I974870F.raw

Output Set: N:\CRF3\08202002\I974870B.raw

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1 <110> APPLICANT: Whitcombe, David
2     Theaker, Jane
3     Gibson, Neil
4     Little, Stephen
5 <120> TITLE OF INVENTION: Methods and Primers for Detecting Target Nucleic Acid
Sequences
6 <130> FILE REFERENCE: 1991-211
C--> 7 <140> CURRENT APPLICATION NUMBER: US/09/974,870B
8 <141> CURRENT FILING DATE: 2002-07-22
9 <150> PRIOR APPLICATION NUMBER: US 09/200,232
10 <151> PRIOR FILING DATE: 1998-11-25
11 <150> PRIOR APPLICATION NUMBER: UK 9812768.1
12 <151> PRIOR FILING DATE: 1998-06-13
13 <160> NUMBER OF SEQ ID NOS: 9
14 <170> SOFTWARE: PatentIn version 3.0
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 30
18 <212> TYPE: DNA
19 <213> ORGANISM: Artificial Sequence
20 <220> FEATURE:
21 <221> NAME/KEY: misc_feature
22 <222> LOCATION: (1)..(29)
23 <223> OTHER INFORMATION: B2098-BRCA Scorpion Primer
24 <221> NAME/KEY: stem_loop
25 <222> LOCATION: (1)..(29)
W--> 26 <221> misc_feature
27 <222> LOCATION: (30)..(30)
28 <223> OTHER INFORMATION: n = deoxyribouridine w/ fluorophore and replication blocker
W--> 29 <400> 1
W--> 30     cgcacgatgt agcacatcag aagcgtgcgn
32 <210> SEQ ID NO: 2
33 <211> LENGTH: 29
34 <212> TYPE: DNA
35 <213> ORGANISM: Artificial Sequence
36 <220> FEATURE:
37 <221> NAME/KEY: misc_feature
38 <222> LOCATION: (1)..(29)
39 <223> OTHER INFORMATION: R186-98, untailed equivalent of B2098 primer
40 <400> SEQUENCE: 2
41     ttggagattt tgtcacttcc actctcaaa
43 <210> SEQ ID NO: 3
44 <211> LENGTH: 30
45 <212> TYPE: DNA
46 <213> ORGANISM: Artificial Sequence

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47 <220> FEATURE:
48 <221> NAME/KEY: misc_feature
49 <222> LOCATION: ()..()
50 <223> OTHER INFORMATION: Z3702, probe segment of B2098 primer
51 <221> NAME/KEY: stem_loop
52 <222> LOCATION: (1)..(29)
W--> 53 <221> misc_feature
54 <222> LOCATION: (1)..(1)
55 <223> OTHER INFORMATION: fluorescein dye
W--> 56 <221> misc_feature
57 <222> LOCATION: (30)..(30)
58 <223> OTHER INFORMATION: n = deoxyribouridine w/ fluorophore and replication blocker
W--> 59 <400> 3
W--> 60      cgcacgatgt agcacatcag aagcgtgcgn                                30
62 <210> SEQ ID NO: 4
63 <211> LENGTH: 18
64 <212> TYPE: DNA
65 <213> ORGANISM: Artificial Sequence
66 <220> FEATURE:
67 <221> NAME/KEY: misc_feature
68 <222> LOCATION: ()..()
69 <223> OTHER INFORMATION: B2731 Scorpion primer
70 <221> NAME/KEY: misc_feature
71 <222> LOCATION: (1)..()
72 <223> OTHER INFORMATION: fluorescein dye
W--> 73 <221> misc_feature
74 <222> LOCATION: (18)..(18)
75 <223> OTHER INFORMATION: n = deoxyuridine w/ fluorophore and replication blocker
W--> 76 <400> 4
W--> 77      aggtagtgcga gagagtgn                                18
79 <210> SEQ ID NO: 5
80 <211> LENGTH: 31
81 <212> TYPE: DNA
82 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <221> NAME/KEY: misc_feature
85 <222> LOCATION: ()..()
86 <223> OTHER INFORMATION: B2731 Scorpion primer
87 <400> SEQUENCE: 5
88      gagcctcaac atcctgctcc cctcctacta c                                31
90 <210> SEQ ID NO: 6
91 <211> LENGTH: 17
92 <212> TYPE: DNA
93 <213> ORGANISM: Artificial Sequence
94 <220> FEATURE:
95 <221> NAME/KEY: misc_feature
96 <222> LOCATION: ()..()
97 <223> OTHER INFORMATION: B4249 Scorpion primer
98 <221> NAME/KEY: misc_feature

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RAW SEQUENCE LISTING

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Output Set: N:\CRF3\08202002\I974870B.raw

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99 <222> LOCATION: (1)..(1)
100 <223> OTHER INFORMATION: fluoroscein dye
W--> 101 <221> misc_feature
102 <222> LOCATION: (17)..(17)
103 <223> OTHER INFORMATION: attached replication blocking hexethylene glycol monomer
W--> 104 <400> 6
105      aggtagtgc gagagtg
107 <210> SEQ ID NO: 7
108 <211> LENGTH: 19
109 <212> TYPE: DNA
110 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
112 <221> NAME/KEY: misc_feature
113 <222> LOCATION: ()..()
114 <223> OTHER INFORMATION: Quencher oligonucleotide
115 <221> NAME/KEY: misc_feature
116 <222> LOCATION: (19)..(19)
117 <223> OTHER INFORMATION: n = deoxyribouridine with attached non-fluorogenic
fluorophore
W--> 118 <400> 7
W--> 119      cactctcctg cactacctn
121 <210> SEQ ID NO: 8
122 <211> LENGTH: 28
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <221> NAME/KEY: misc_feature
127 <222> LOCATION: ()..()
128 <223> OTHER INFORMATION: ARMS primer R284-97
129 <400> SEQUENCE: 8
130      ttcggggctc cacacggcga ctctcaac
132 <210> SEQ ID NO: 9
133 <211> LENGTH: 28
134 <212> TYPE: DNA
135 <213> ORGANISM: Artificial Sequence
136 <220> FEATURE:
137 <221> NAME/KEY: misc_feature
138 <222> LOCATION: ()..()
139 <223> OTHER INFORMATION: ARMS primer R283-97
140 <400> SEQUENCE: 9
141      ttcggggctc cacacggcga ctctcaag

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/974,870B

DATE: 08/21/2002
TIME: 10:13:00

Input Set : N:\Crf3\08122002\I974870F.raw
Output Set: N:\CRF3\08202002\I974870B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 30
Seq#:3; N Pos. 30
Seq#:4; N Pos. 18
Seq#:7; N Pos. 19

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 5,28
Seq#:3; Line(s) 58
Seq#:4; Line(s) 75
Seq#:6; Line(s) 103
Seq#:7; Line(s) 117

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/974,870B

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Input Set : N:\Crf3\08122002\I974870F.raw

Output Set: N:\CRF3\08202002\I974870B.raw

L:7 M:270 C: Current Application Number differs, Wrong Format
L:26 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1
L:29 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1
L:30 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0.
L:53 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:56 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:59 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:60 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:73 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:4
L:76 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:4
L:77 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:101 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:6
L:104 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:6
L:118 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:7
L:119 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0